

B & O

BEOMASTER 6500

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MODEL

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OPERATING MANUAL

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# How to use this manual

*This manual explains how to set up the Beomaster receiver  
and how to use the few controls available on the front panel.*

- It gives a detailed description of all the sockets on the rear and for which purposes they must be used.
- It also explains the meaning of the cues on the display panel on the front.

For detailed operating instructions, please refer to the Master Control Panel 5500 manual.

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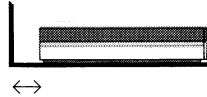


*The Beosystem 5500 is easy and very convenient to use - you can in fact operate the whole system without leaving your chair.*

*The Master Control Panel 5500 is the key to the system and it communicates with the brain of the system, the Beomaster 5500. Together they form the basis of the system. The other units in the system, the Beocord 5500, the Beogram 5500 and the Beogram CD5500, are modules with which you can extend your Beosystem 5500.*

*The Beomaster 5500 is a so-called Beolink product, which means that it can be used as a master in a Bang & Olufsen Beolink system. In a Beolink system video and audio products are interconnected and they can be operated using only one remote control unit – the Beolink 1000. For further information about setting up and operating the Beolink system, please refer to the special Beolink manuals.*

# Where to put the Beomaster



The Beomaster must be placed horizontally on a stable surface. Make sure to put it in a place

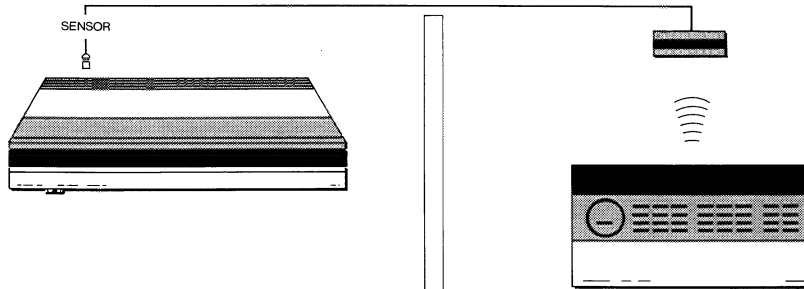
where ventilation cannot be impeded. Avoid placing it in direct sunlight or near radiators or other sources of heat.

If your Beosystem includes other units, you can place them on top of each other, as in a rack system, or next to one another.

The Beomaster must be placed so that the distance from the the Master Control Panel is no longer than 25 metres. Make sure that they can communicate with each other.

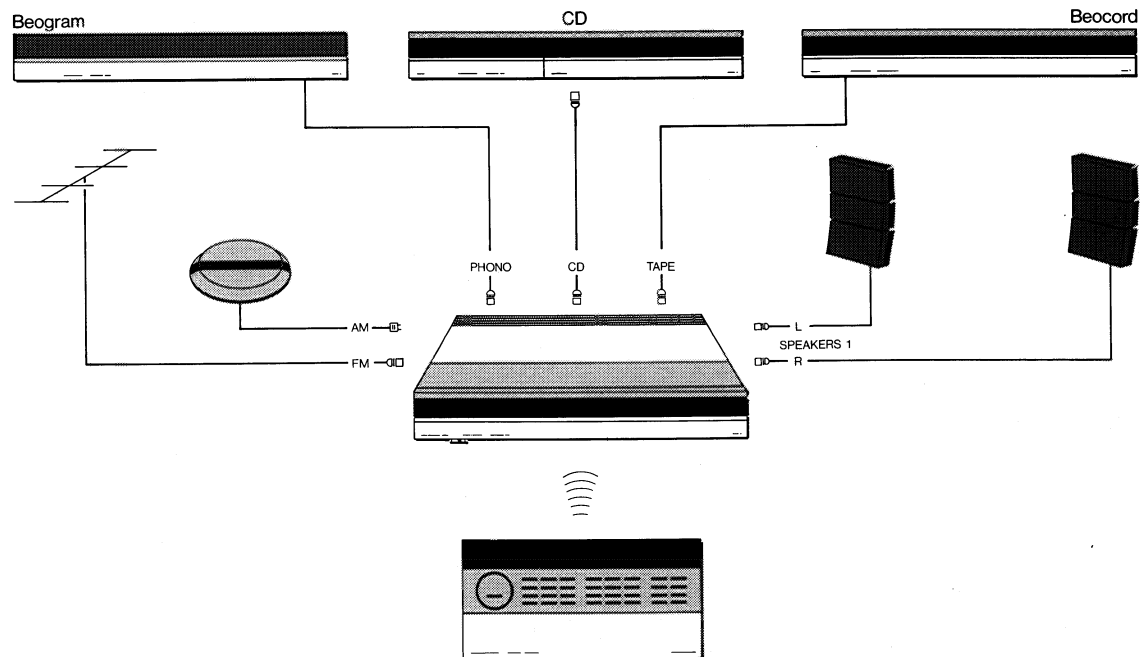
If you want to extend the range of remote

control, e.g. to allow communication round corners, you can connect a specially designed sensor. The sensor (type no. 2001) is available from your Bang & Olufsen dealer.



Before putting the Beomaster in its final place, make sure that you have carried out all the

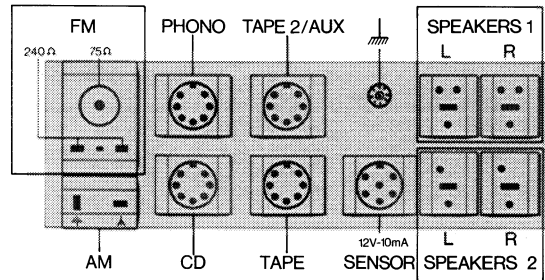
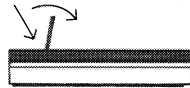
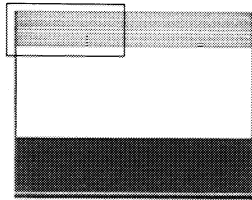
connections required (see the following paragraph).




# Connections

Connect loudspeakers, antennae, and the other units in the Beosystem, if any, to the Beomaster **before** connecting it to the mains supply.

To gain access to the sockets, lift up the hinged grille at the rear.



- **FM:**  
Sockets for 240 ohm or 75 ohm FM antenna.
- **AM:**  
Socket for AM antenna.
- **PHONO:**  
7 pin DIN socket for the Beogram 5500, or any other Bang & Olufsen record player with a 7 or 5 pin DIN plug.
- **CD:**  
7 pin DIN socket for the Beogram CD 5500 compact disc player.

- **TAPE 2/AUX:**  
7 pin DIN socket for  
- auxiliary Bang & Olufsen tape recorder with a 7 or 5 pin DIN plug, or  
- Beovision LX 2800/2500 or LX/L 2802/2502.
- **TAPE:**  
7 pin DIN socket for the Beocord 5500, or any other Bang & Olufsen tape recorder with a 7 or 5 pin DIN plug.
-   
Earthscrew.

● **SENSOR:**

6 pin DIN socket for

- the Bang & Olufsen Sensor (type no. 2001)
- the Bang & Olufsen Remote Mains Switch (type no. 4002). This connection requires an adaptor, Bang & Olufsen part no. 6270349.

● **SPEAKERS 1:**

Sockets for

- left (L) and right (R) loudspeakers in the same room as the Beomaster, or
- left (L) and right (R) cable connections for the Bang & Olufsen Beolab Penta power amplifier/loudspeaker module, or
- left (L) and right (R) cable connections for the Bang & Olufsen Beolab 150 power amplifier.

● **SPEAKERS 2:**

Sockets for

- left (L) and right (R) loudspeakers in an adjoining room, or
- left (L) and right (R) cable connections for a Master Control Link installation.

● **PH:**

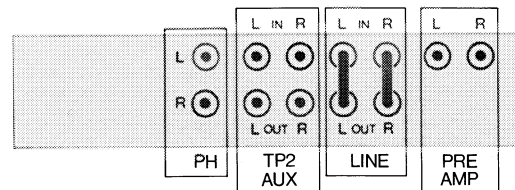
Sockets for record player with phono plugs - L for left channel and R for right channel.

● **TP2/AUX (IN/OUT):**

Sockets for auxiliary tape recorder or compact disc player with phono plugs - L for left channel and R for right channel.

● **LINE (IN/OUT):**

Sockets for equalizer - L for left channel and R for right channel.



● **PRE AMP:**

Sockets for power amplifier - L for left channel and R for right channel.



# Stand-by mode

Once connected to the mains supply, the Beomaster is in so-called stand-by mode and ready to be operated with the Master Control

Panel. The stand-by mode is indicated by the tiny red light on the display panel on the front.



# How to use the controls

The controls available are on the front panel.

## STEP PROGRAM

- A rapid tap switches on the Beomaster on the preset station you were last listening to.
- By tapping repeatedly you can step through the preset stations.

## MUTE ●

- A rapid tap switches on the unit you were last listening to at the previously adjusted levels.
- A rapid tap mutes the loudspeakers in the SPEAKERS 1 sockets. Another rapid tap cuts the speakers in again.
- A prolonged pressure switches the Beosystem to stand-by mode.

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## “TIMER” function

If you programme the system to play at a specific time, both the speakers in the SPEAKERS 1 sockets and those, if any, in the SPEAKERS 2 sockets will function.

However, you can cut out the SPEAKERS 1 socket if you wish so that only the speakers in the SPEAKERS 2 sockets will function when the system starts playing at the specified time.

While keeping the right-hand side of the panel depressed, tap the left-hand side. The TIMER OFF cue now appears, indicating that the TIMER function is cancelled on SPEAKERS 1.

To cut in the TIMER function again, follow the same procedure. The TIMER OFF cue disappears.

# Displayed cues and symbols

SPEAKERS 1 sockets  
cut out during pro-  
grammed play

Automatic Fine Tuning  
(AFT) indicator

Indicates preset number,  
unprogrammed F(M) or  
A(M) station, or sound  
values.

Treble adjustment in  
progress

Loudness mode indica-  
tor

Bass adjustment in pro-  
gress

Source indicators

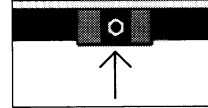
The display on the front of the Beomaster gives information about the operational status of the system.

The cues and symbols displayed will not all be visible at the same time.

# Connecting headphones



The tiny socket on the front of the Beomaster is for headphones, e.g. the Bang & Olufsen Form 1 or Form 2 headphones.



If you connect headphones, the speakers in the SPEAKERS 1 sockets are cut out.

# Technical specifications

<b>Beomaster 5500</b>	
<b>Type no.</b>	<b>2331/2332/2334/2335</b>
Long-term max. output power IEC	2 x 110 watts/8 ohms
Power output 20-20,000 Hz IHF	2 x 50 watts/8 ohms
Total harmonic distortion IHF	<0.09%/8 ohms 20-20,000 Hz
Dynamic headroom	1.5 dB/8 ohms
Intermodulation IHF	<0.1%
Wideband damping factor	50
Line input sensitivity	25 mV/47 kohms
Signal-to-noise ratio:	
PHONO A-weighted	>78 dB
TAPE A-weighted	>80 dB
Channel separation 10,000 Hz	60 dB
Line output	500 mV/1 kohm
External power amplifier	1 V/1 kohm
FM range	87.5-108 MHz
FM aerial impedance	75 and 240 ohms
Usable sensitivity stereo	19 dBf-2.5 $\mu$ V/75 ohms
50 dB quieting sensitivity stereo	40 dBf-28 $\mu$ V/75 ohms
Signal-to-noise ratio 65 dBf stereo	70 dB
Frequency response	20-15,000 Hz $\pm$ 1 dB
Distortion at 65 dBf stereo	0.2%
Intermodulation stereo	0.1%
Stereo channel separation	45 dB
LW range	150-350 kHz
MW range	520-1610 kHz
LW sensitivity 20 dB S/N ratio	80 $\mu$ V
MW sensitivity 20 dB S/N ratio	60 $\mu$ V

Power supply	2331: 220 V
	2332/2335: 240 V
	2334: 100 V
Power frequency	50-60 Hz
Power consumption	Max. 225 watts
Dimensions W x H x D	42 x 7.5 x 32.5 cm
Weight	8.5 kg
<b>Subject to change without notice</b>	

### For the UK market only

#### IMPORTANT

The wires in the mains lead supplied with this apparatus are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your unit, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

## International guarantee

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. It is a national guarantee, extended by Bang & Olufsen to the country in which the product was bought. The terms of the guarantee apply principally to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries. The guarantee period

applying to the country of purchase takes priority over guarantee periods applying in other countries, even where differences exist.

In order to obtain service under this guarantee from a dealer in a country other than that in which the product was bought, the guarantee form must be completed in full and presented to the dealer.

BANG & OLUFSEN  
DK-7600 STRUER  
DENMARK